VOL. XV. NO. 5.

GREENVILLE, KY., THURSDAY, MARCH 6, 1913.

50c. PER YEAR, IN ADVANCE

LITTLE GENERAL FARM PAYS

Profit Secured in Poultry as Well as Horses, Mules, Dairy Stock, Sheep and Hogs.

(By W. H. SHEPARD.) A neighbor of ours makes poultry a strong side line of his farming. He grows a great variety of plants and keeps and feeds a variety of animals. His poultry sales amount to near-

15 \$200 each year and he feeds his grown chickens nothing except what they pick up about the place, but through his methods of cropping and feeding they secure an abundance, and respond accordingly

Lerses and mules, dairy stock, sheep | tightly closed and all fowls excluded | and hogs.

From the poultry and cows he has e constant daily cash income.

the summer, and from the hogs he rells from \$100 to \$200 worth every two or three months.

entables are grown, with some fruits out any remaining trace of poisonous office of public roads has ascertained and vegetables to sell. worth of wheat each year, and his the building. Remember also that in The figures include all the new roads

executes can grow a variety of plants child can get at them may have dire of about five years has been 48.266. and animals on a small farm, make results. good money from the crops, and at the same time build up his land faster

NUB CORN BEFORE PLANTING

than by special cropping

Carefully Conducted Experiments Have Proven Advantages in Practice-Increases Yield.

fully conducted experiments have used successfully for two years, says demonstrated that it is advisable to the Iowa Homestead. He secured a nub corn before planting, for it has box three feet long, sixteen inches been found that, when seed from the wide and eight inches deep tips and buits of ears are placed in from his grocer for fifteen cents. one plot, and by the side of it another An opening was made in one side of of the same ears, there is a larger the box four inches in width and percentage of dwarfed and barren height to admit the chicks. To fit stalks on the plot planted in tip and in this box, make a frame of laths but kernels than from the other, and two inches less in width and length hence less yield of shelled corn per than the box. The laths were placed

As both plots were planted on the ame type of soil, and treated in the same way by fertilization and cultivation, it is strongly probable that the decreased yield of the plot sown in butt and tip grains was due to the seed, as all other conditions were as nearly identical for both as it was possible to secure.

CONVENIENT AS A NAIL BOX

Anything in Shape of Pan May Be Divided Into Compartments to Hold Bolts and Screws.

pan to a six-gallon dishpan may be used in making a very useful and convenient compartment box in which to keep nails, screws and bolts. The pan may be divided into four, six or

eight compartments. To make the divisions, get the distance across the bottom and the top of the pan, secure a piece of board just as wide as the pan is deep, and long enough to make the piece, an-







other piece two or three inches broader for the piece that forms the handle. Cut a notch as shown at X, this notch to be as wide as the boards are thick

Place the No. 1 in center of pan and nail in place, through the sides and bottom of pan. Next place No. 2 across No. 1 so that the notches at XX will fit in each other, then nail as you did No. 1. If more places are wanted, these quarters may be subdi-

Early Inoculation.

It is interesting to examine young alfalfa plants and note how quickly they obtain the benefit of nitrogengathering bacteria. Plants less than four weeks old may have two or three of a reliable poultry keeper. nodules on a single root and have a countless number of bacteria furnishing nitrogen from the air. When land is first inoculated by the use of soil from an old field one may find much unevenness in the size of plants at an early age, due to the fact that the from the flock. tailer plants are getting an abundance of nitrogen, while the smaller plants have few or no bacteria at work for them. It is for this reason that a second seeding on land that has been made to grow alfalfa successfully is much surer than a first seeding.

The Best Soll.

The best soil upon a farm is one that warms carly in the spring and that holds enough moisture for plant growth. A sell of this kind should contain some sand, clay and organic matter. The sand permits the air to enter and the clay and organic matter At the same time, clean up the runs riable and easy to work.



HOW TO FUMIGATE HEN HOUSE

Building Should Be Closed Tightly and All Fowls Excluded-Be Careful of Poison Used,

Fumigation is a means of reaching germs and insect life in the air of the room and in the cracks and crannies of the wood work, says the Culti-The same neighbor keeps and grows vator. The house or room should be during fumigation. A simple method is to burn the sulphur candles now sold at stores dealing in poultry sup-From the borses and mules he sells plies. The fumes of brimstone may a variety of forage crops, besides a should be kept closed for several of public highway in this country. dairy products amount to \$400 per most cases the substances which are

USING A FIRELESS BROODER

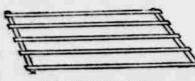
Box Protected by Wool Carpet and Heated by Small Jug of Warm Water is Excellent.

A there are many poultrymen who prefer to raise chicks in a fireless brooder, we give here a plan sug-At the North Carolina station care gested by W. D. Neale, which has been



Fireless Brooder

about three inches apart and nailed securely to cross pieces at either end. This frame fitted inside the box and rested on nails, two at each end. driven through the box at the desired height. These nails were withdrawn and driven higher in the ends of the Anything from a half gallon baking box as the chicks grew so that they would have more room beneath the frame. A piece of wool carpet was thrown over the top of the frame and pressed down beneath the lath so that



Covering of Brooder.

the folds would just touch the downy backs of the chicks. On cold nights an extra piece of carpet was thrown over the box or a small jug of warm water placed inside. The bottom of the box was kept covered with straw.



Don't forget to whitewash the interior of your houses. Expect disease and low vitality

when fowls are inbred year in and Send to market all the stock that you can spare, for the prices of feed

are still high. Plump chickens are wanted market; remember that lousy chickens will not fatten.

From October 15th to about November 20th the best prices for poultry are generally obtained. New blood may be added to the

flock, by buying some choice pullets Lining nest boxes with newspapers makes it easy to lift out litter, paper

and all. Then set a match to it. Authorities claim that the eggs from a hen will be fertile for ten days after the removal of the male

Do not let your young birds roost with the old hens, as they are liable to catch diseases which old hens are more subject to.

All hens which have completed their second laying season should be disposed of at once, to make room for the young stock. Save the small potatoes and imper-

fect heads of cabbage and other waste vegetables. They will all be relished by the hens in the winter. Don't delay any longer making repairs to the houses or fences, winter and walks.



Increased Mileage of Highways Within Period of About Five Years Has Been 48,266.

Even with a high-powered automo each year one or two animals at \$100 also be produced by burning in a bile that could keep up a pace of 90 metallic basin (such as an old iron miles a day indefinitely, it would take kettle) a number of rags previously a man more than 65 years to cover in early spring, and lambs later in soaked in melted sulphur. Sulphur all the public roads in the United may be mixed with a little alcohol or States. A young man of twenty kerosene oil and burned, or it may be starting out to accomplish this treeprinkled upon live coals placed in a mendous task would be eighty-five He grows wheat, oats, corn, hay and chafing dish. The house or room before he had covered the last mile

good orchard, truck patches, and gar- hours and then opened as thoroughly After an investigation extending den from which nearly all the family as possible to allow the wind to drive over many months, the director of the gas. In fumigating by burning sub- that there are now 2,199,645 miles of He also sells from \$100 to \$200 stances be careful not to set fire to public reads in the United States. built up to the year 1909. year, and all from a farm of less than used are poisonous to human life and there were exactly 2,151,379. It is to fowls. Carelessness in their use or apparent, therefore, that the increased Any general farmer who plans and in leaving them about where chick or mileage of new roads within a period

> "The investigation just concluded," said the director, in an interview, "shows conclusively that the movement for the improvement of public highways has obtained a firm grip on the country. The percentage of roads which are really improved amounted to 7.14 in 1904, while in 1909, to which year statistics are now available, the percentage was 8.66.

"It is interesting to observe the growth of improved methods in road construction. For instance, the total mileage of stone roads in 1904 was 26,818, while in 1909 it was 59,227. The total mileage of gravel roads in 1904 was 109,905, while in 1909 it was only 102,870. This decrease in gravel



reported in 1904 to be of gravel exclusively for the purpose. proved to be of some other substance, while exaggerations were eliminated.

"The total mileage of sand-clay." brick, bituminous-macadam and other improved roads in 1904 was 6,806, while in 1909 the mileage reached 28,372."

The office of public roads has just issued a table showing the states having the largest mileage of improved

					1904.
Indiana					23,877
Ohio					23, 460
New York					5,876
Wisconsin					10.000
Kentucky		****	*****	*****	9 100
Ulinois	****	****	******	*****	1,100
		2000	223399	****	1000
California	2999	*****	*****	*****	8,893
Massachus	tts			*****	7,843

ONE ROAD BUILDING FAILURE

Lack of Proper Care to Thoroughfares Constructed by Inexperienced Men Shows Results.

About forty years ago, Adams county. Ohio, issued bonds to improve part of its main roads. At that time very little was known about the science of road making. Usually a local man undertook the contract for a certain piece of work and secured local help as inexperienced as he. Very little, if any, attention was paid to the character of the bed upon which the stones were to be laid and still less to the different qualities of stones secured from the quarries near by. Hard and soft stones were placed side by side as brick are now laid in our common street paving, says a writer in an exchange. After a few years of wear and erosion, with no attention given to repair, these roads were in a condition almost worse than before improvement. Adams county is a good example of a community that has improved roads and has paid no attention to their up keep. A few hundred dollars spent judiciously on each road would have kept them in good condition for many years. As conditions are now, enough money has been spent to have the best of roads, but because of lack of proper care, they are only second or third class and the county is still heavily in debt for there roads.

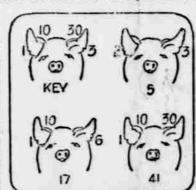


SYSTEM FOR MARKING PIGS

Best Method Is Making Notches in Ears and Having Each Notch Represent Definite Number.

(By GEORGE MORRIS) When a farmer raises pigs for sale as breeders, he should have a definite system of marking each litter. There are several methods of doing this, cf which perhaps the best consists of making potches in 'he ears and having each notch represent a definite

By means of the following method as many as a hundred litters may be marked with not to exceed four notches in the ears of each pig. For ear, lower edge near the head, let the same edge near the tip, No. 30; ou the upper edge of the same ear, No. 5; and on the same edge near the tip. No. 50. This system is easy to remember. All you have to keep in wind is that No. 1 is on the left ear near the head and No. 5 just above it



right ear No. 3 is on the lower edge ear the head and No. 5 is just above on the upper edge. Near the tips

arge as those near the head. Each pig of litter No. I should have the notch on the upper edge of the same ear, those of number three should have the notch on the lower edge of the right ear near the head. those of No. 4 should have a notch on the lower edge of both ears near the head. By following this system any number of combinations of these numbers may be made up to 100.

By studying the illustration one may get a good idea of this method of marking. The key head shows the method already described, while the other three figures show how the ears are marked for ltiters 5, 17 and 41. Each year the litters should be numbered in the order of their birth each pig in the litter being given the same marking. Always record the litter classification of roads. Many of those identification marks in a book kept

Treatment for Scours. Good success was attained at the South Carolina station in treating. calves affected with scours by adding formalin to the milk at the rate of one part to four thousand. Eleven calves out of twieve treated recovered without any further attention, seven on the second day, three on the third and one on the ninth. The calves were young ones fed chiefly on skimmilk.

LIVE STOCK NOTES Always use a thoroughbred boar.

Winter shocing should be most careully done

There never was a better time than now to start in sheep. Epidemics among hogs are more easily prevented than cured.

The novice should start with a few first-class ewes, never any culls. Fatten the rattle-headed sow that hard to hardle at pigging time. Whoever heard of a horse getting thrush if his stable and feet were kept clean?

Wheat middling and barley are fine as a feed for growing pigs or fattening hogs. In all cases where perfect clean-

finess has been enforced there has been no disease. Fancy and well conditioned lambs are the ones that bring home the money from any market,

Meats are high the world over, and lamb and mutten more in demand by consumers than ever before. Planning to be right on hand and serve every pig may mean many dol-

lars to you at farrowing time, With lamb chops selling at twentyve cents a pound in the markets. here is surely "something in sheep." When the pigs begin to eat they ecome almost self supporting and re demanding less and less of the

Hogs do not waste corn in the field xcept in myddy weather. They gain aster, more evenly and more economcally to the counfield than in the dry

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source of the trouble and building up the bodily strength. Woman's Tonic

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